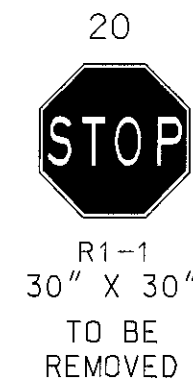
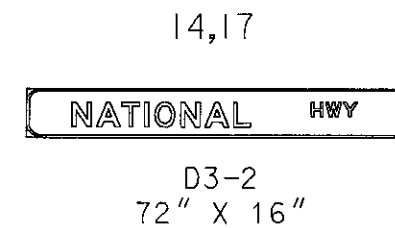
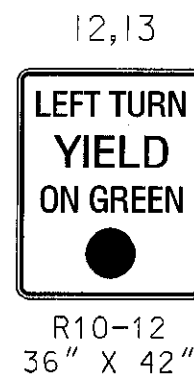


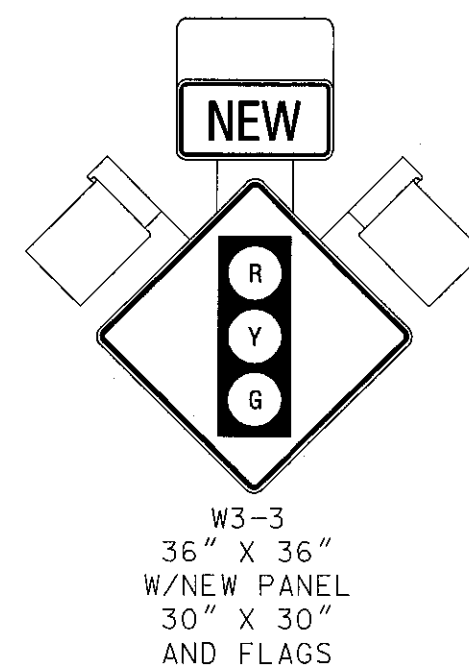
EXISTING SIGNS



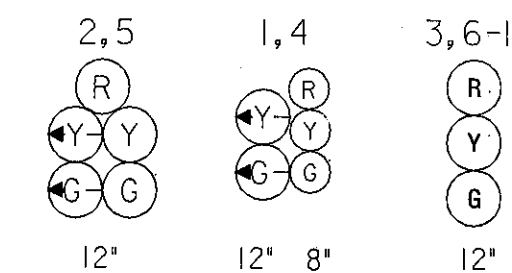
PROPOSED SIGNS



18,19

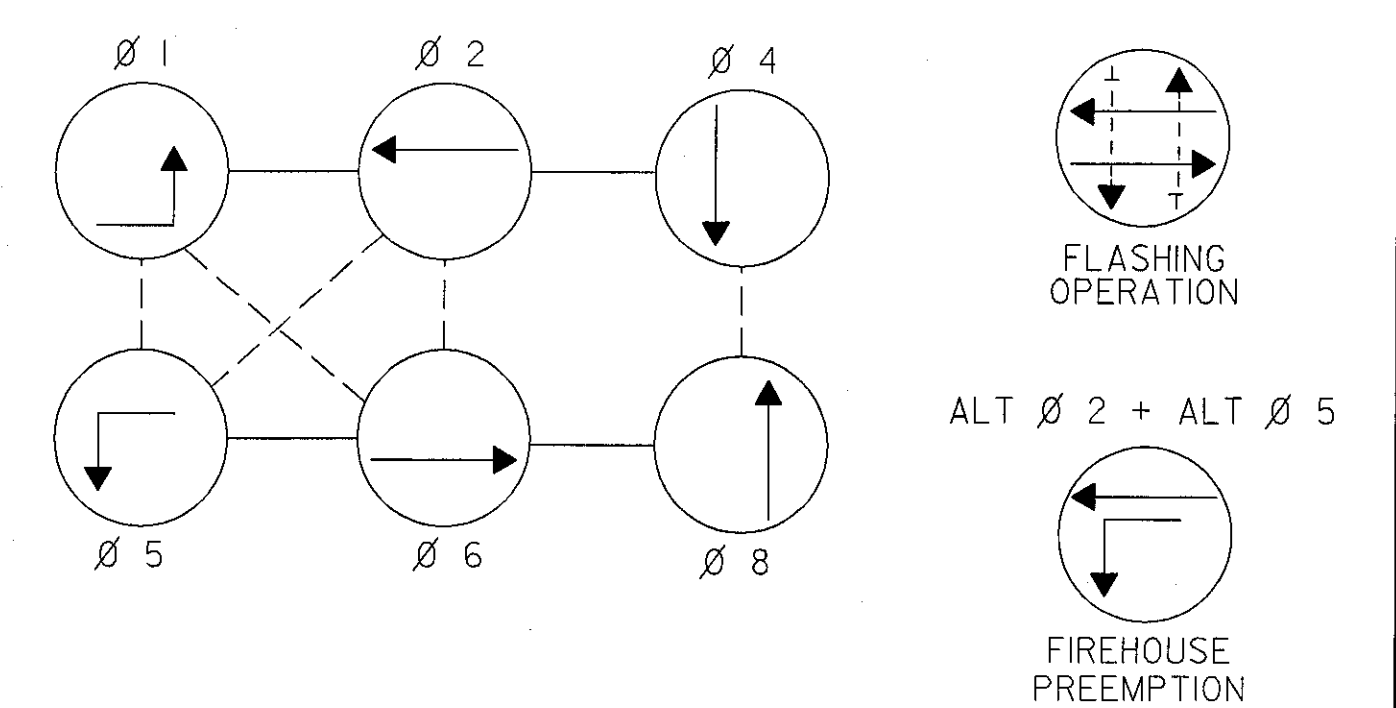


PROPOSED SIGNALS

PROPOSED
OPTICOM DETECTOR EYE

DETECTOR ZONE

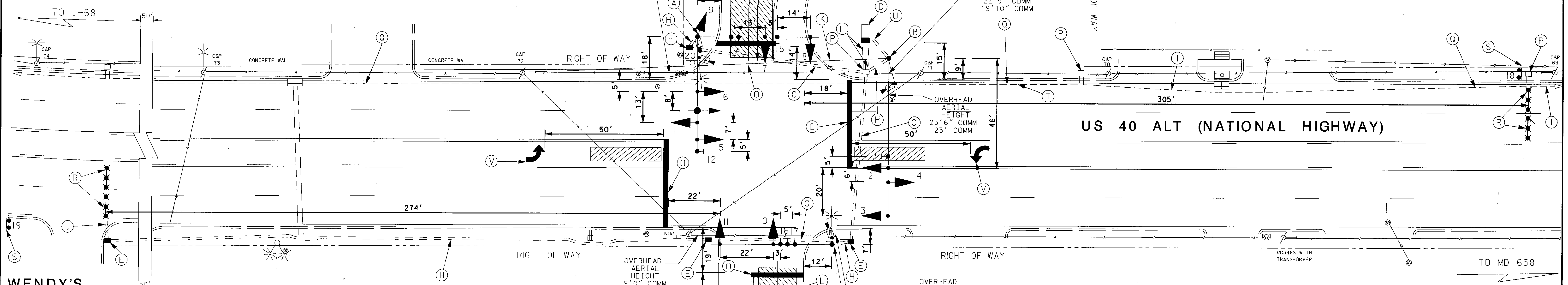
NEMA PHASING



PHASING NOTES

1. PHASES ASSOCIATED BY SOLID LINE WILL NOT OPERATE CONCURRENTLY.
2. PHASES ASSOCIATED BY DASHED LINE MAY WILL OPERATE CONCURRENTLY.

LAVALE PLAZA ENTRANCE

WENDY'S
CONSTRUCTION DETAILS

STEAKHOUSE

INSURANCE
AGENCYCOMFORT INN
HOTEL

- INSTALL 15' SPECIAL "T", 27' STEEL POLE WITH 50'/50' TWIN MAST ARMS AND 15' LIGHTING ARM WITH 250 WATT HIGH PRESSURE SODIUM VAPOR LUMINAIRE WITH PHOTOCELL, TRAFFIC SIGNAL HEADS, TWO VIDEO DETECTION CAMERAS, OPTICOM DETECTOR EYE, SIGNS, AND 1-3" SCHD 80 PVC BEND. (NOTE: 4- 1 3/4" X 90" ANCHOR BOLTS TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR).
- INSTALL 15' SPECIAL "T", 27' STEEL POLE WITH 70' MAST ARM AND 10' BRACKET ARM, VIDEO DETECTION CAMERA, TRAFFIC SIGNAL HEADS, AND R10-12 SIGN (NOTE: 4- 2" X 90" ANCHOR BOLTS. (NOTE: 1-2", AND 1-3" SCHEDULE 80 PVC BENDS IN FOUNDATION).
- INSTALL 27' STEEL POLE WITH 50' MAST ARM, 15' LIGHTING ARM WITH 250 WATT HIGH PRESSURE SODIUM VAPOR LUMINAIRE WITH PHOTOCELL, VIDEO DETECTION CAMERA, TRAFFIC SIGNAL HEADS, AND SIGNS. (NOTE: 4- 1 3/4" X 90" ANCHOR BOLTS AND 1-3" SCHD 80 PVC BEND).
- INSTALL SIZE '6' BASE MOUNTED CABINET WITH SOLID STATE, FULLY- ACTUATED, EIGHT-PHASE CONTROLLER, AMPLIFIERS, SERVICE EQUIPMENT, OPTICOM DETECTOR EQUIPMENT VIDEO CAMERA EQUIPMENT AND ALL NECESSARY EQUIPMENT, NOTE: 2- 2" AND 2- 4" SCHD 80 PVC BENDS).
- INSTALL HANDHOLE.
- INSTALL 4" SCHEDULE 80 PVC ELECTRICAL CONDUIT - TRENCHED.
- INSTALL 4" SCHEDULE 80 PVC ELECTRICAL CONDUIT - BORED.
- INSTALL 3" SCHEDULE 80 PVC ELECTRICAL CONDUIT - TRENCHED.
- INSTALL 3" SCHEDULE 80 PVC ELECTRICAL CONDUIT-SLOTTED.
- PROPOSED OVERHEAD FEED TO BE INSTALLED BY OTHERS.
- REMOVE EXISTING AND INSTALL 5" SOLID WHITE HEAT APPLIED THERMOPLASTIC PAVEMENT MARKING.
- REMOVE EXISTING AND INSTALL 5" DOUBLE YELLOW HEAT APPLIED THERMOPLASTIC PAVEMENT MARKING.
- REMOVE EXISTING AND INSTALL HEAT APPLIED THERMOPLASTIC PAVEMENT MARKING ARROW.
- INSTALL 24" HEAT APPLIED THERMOPLASTIC PAVEMENT MARKING.
- USE EXISTING HANDHOLE.

- USE EXISTING CONDUIT
- INSTALL MICROLOOP PROBE DETECTOR WITH 500' LEAD-IN CABLE.
- INSTALL W3-3 (SIGNAL AHEAD) NEW SIGN ASSEMBLY ON TWO 4" X 4" WOOD POSTS APPROXIMATELY 300 FEET PRIOR TO THE STOP BAR.
- PULLBACK EXISTING INTERCONNECT AND INSTALL NEW INTERCONNECT FROM NEW CONTROLLER TO MD 658 (CAMPGROUND ROAD).
- INSTALL 2" SCHEDULE 80 PVC ELECTRICAL CONDUIT- TRENCHED.
- INSTALL HEAT APPLIED THERMOPLASTIC PAVEMENT MARKING ARROW.

GENERAL NOTES:

1. ALL UNDERGROUND UTILITIES SHOWN ON PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING "MISS UTILITY" 1-800-257-7777 PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN THE UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.
2. ALL PAVEMENT MARKINGS DETAILED ARE PROPOSED AND ARE TO BE INSTALLED IN ACCORDANCE WITH SHA STANDARDS.
3. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS, OR THE HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS, TO MEET CLEARANCES AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02, AND MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
4. ALL CENTERLINE AND LANELINE MARKINGS ON US 40 ALT WILL BE PLACED BY OTHERS. MARKINGS WILL BE UPDATED DURING RESURFACING PROJECT CONTRACT NO. AL401B51. ONLY STOP BARS MARKED CONSTRUCTION DETAIL "O" WILL NEED TO BE APPLIED.

GEOMETRIC LEGEND	
—	EXISTING GEOMETRICS
—	PROPOSED GEOMETRICS
UTILITY LEGEND	
—	GAS MAIN
—	WATER MAIN
—	SEWER MAIN
—	ELECTRIC CABLES
—	TELEPHONE CABLES
—	CABLE TV

CENTURY ENGINEERING, INC.
CONSULTING ENGINEERS - PLANNERS
32 WEST ROAD
TOWSON, MARYLAND 21204

REVISIONS	APPROVALS
	<i>Donna J. G. 9-2-04</i> TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
	<i>John A. Zedler</i> ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION
	<i>John A. Zedler</i> CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	<i>John A. Zedler</i> DIRECTOR, TRAFFIC & SAFETY



MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION

TRAFFIC SIGNAL PLAN
US 40 ALTERNATE
AT LOWES ENTRANCE

DRAWN BY: C. DAVIS	F.A.P. NO. 4332	TS NO. 4332	SHEET NO. 1 OF 2
CHECKED BY: T. HOLLOWAY	S.H.A. NO. AT3585185	T.J.M.S. NO. F928	
SCALE: 1" = 20'	COUNTY: ALLEGANY		
DATE: 6/1/2004	LOG MILE: 01A4007.32		

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08/31/2004